

**People-centred &
Nature-positive Public Space**



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Connection? ●

Seating? ●

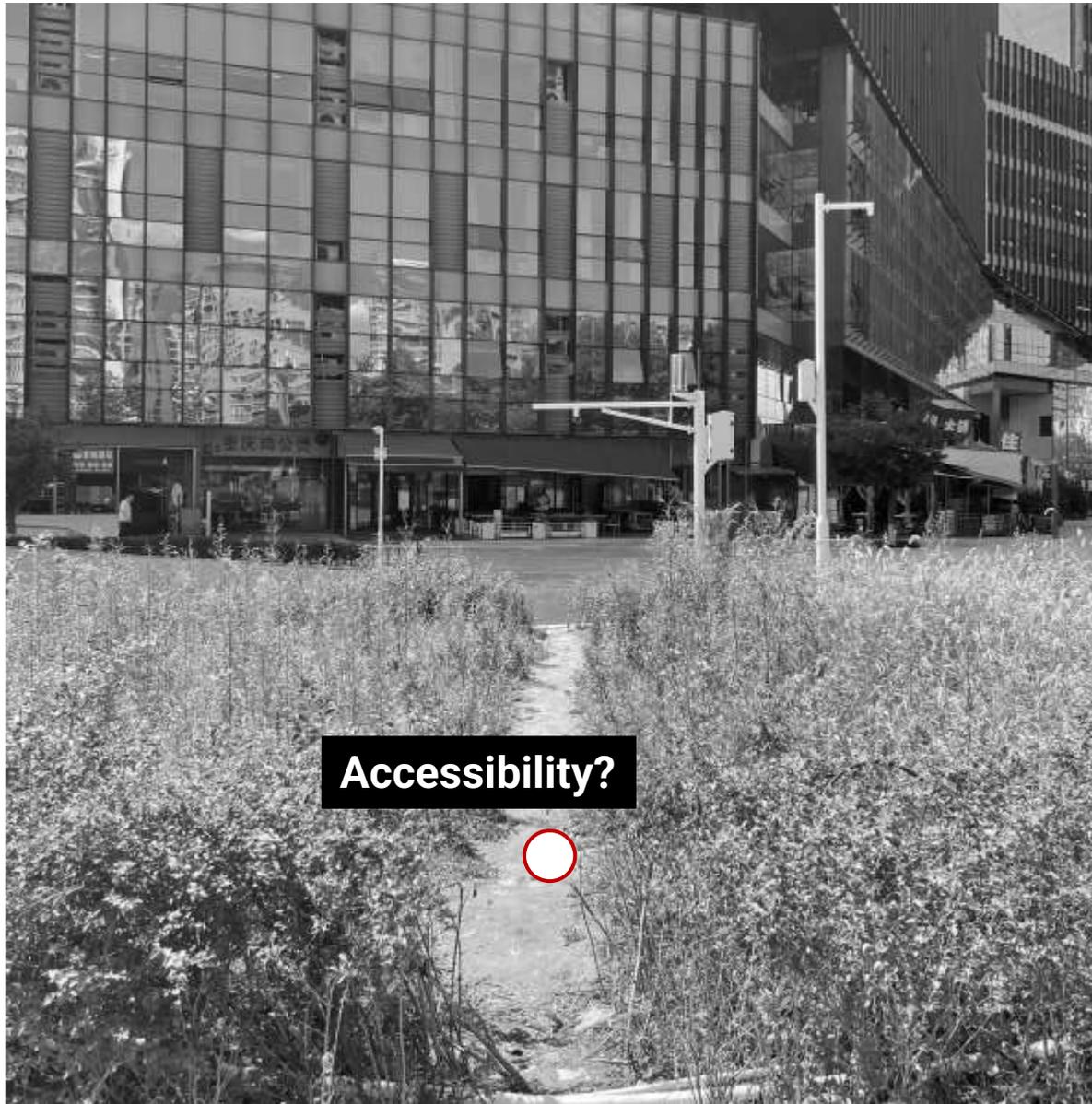
Shade? ●

Passive surveillance ●

Activation? ●

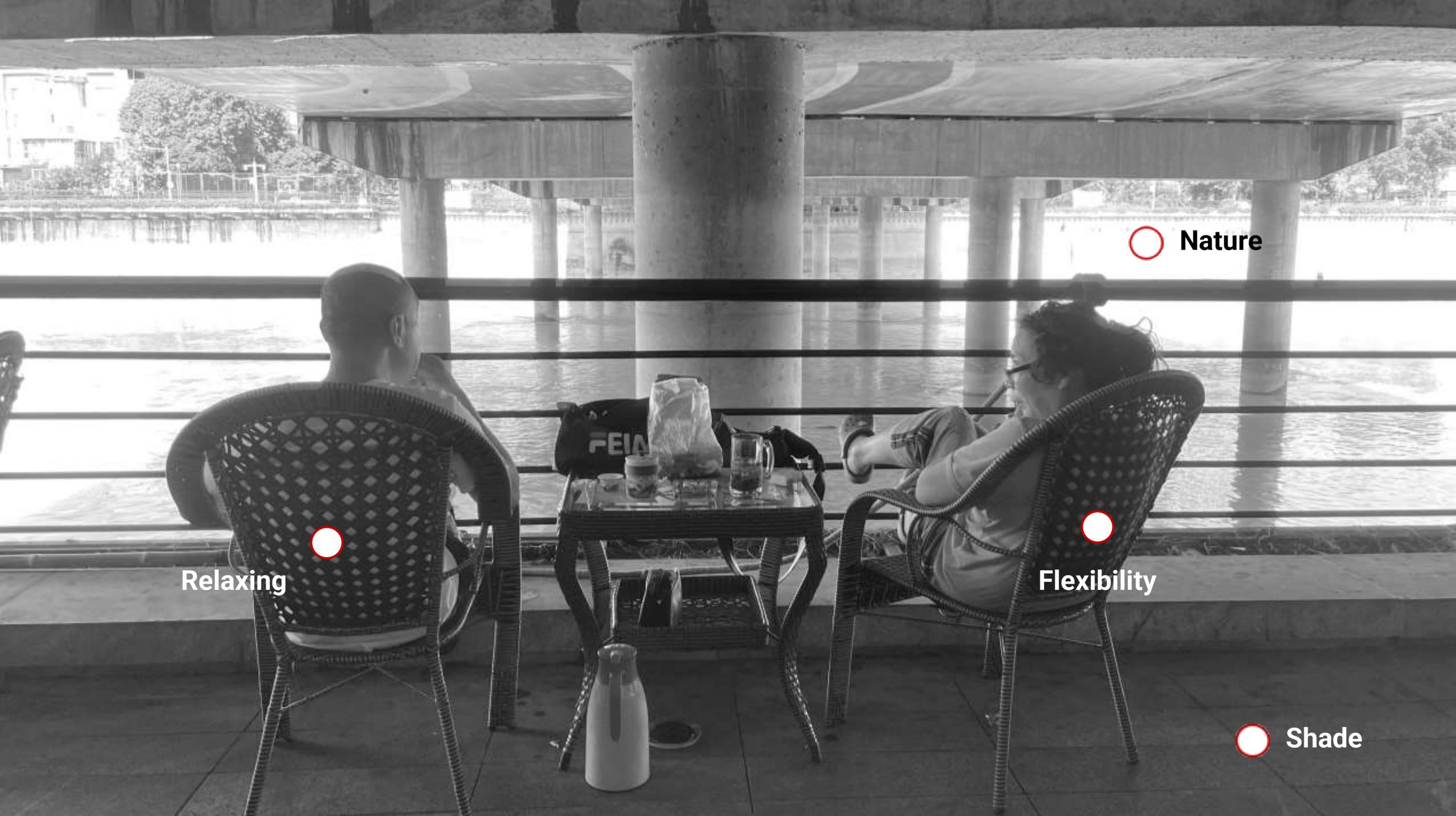


Shade?









 **Nature**

Relaxing

Flexibility

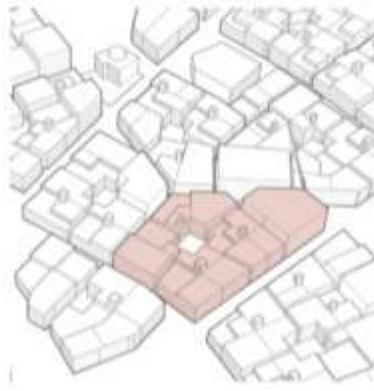
 **Shade**



温馨提示
用餐：别给我瘦
我可是安全的

What does this mean for planning?

Form



Distribution



Proximity



Diversity



Intensity



Connectivity



5 City Objectives / 4 spatial dimensions

Compact



Connected



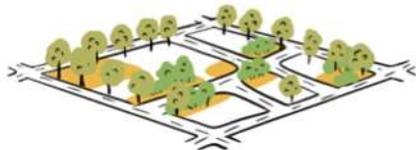
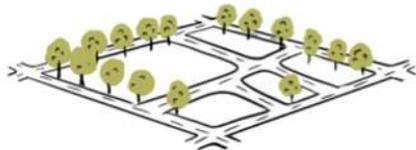
Inclusive



Vibrant



Resilient



Form



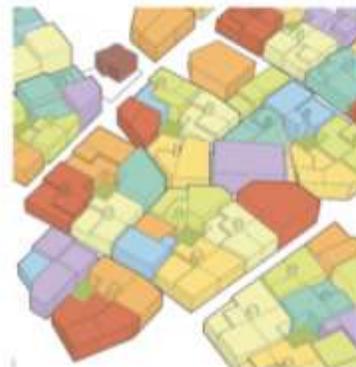
Distribution



Proximity



Diversity



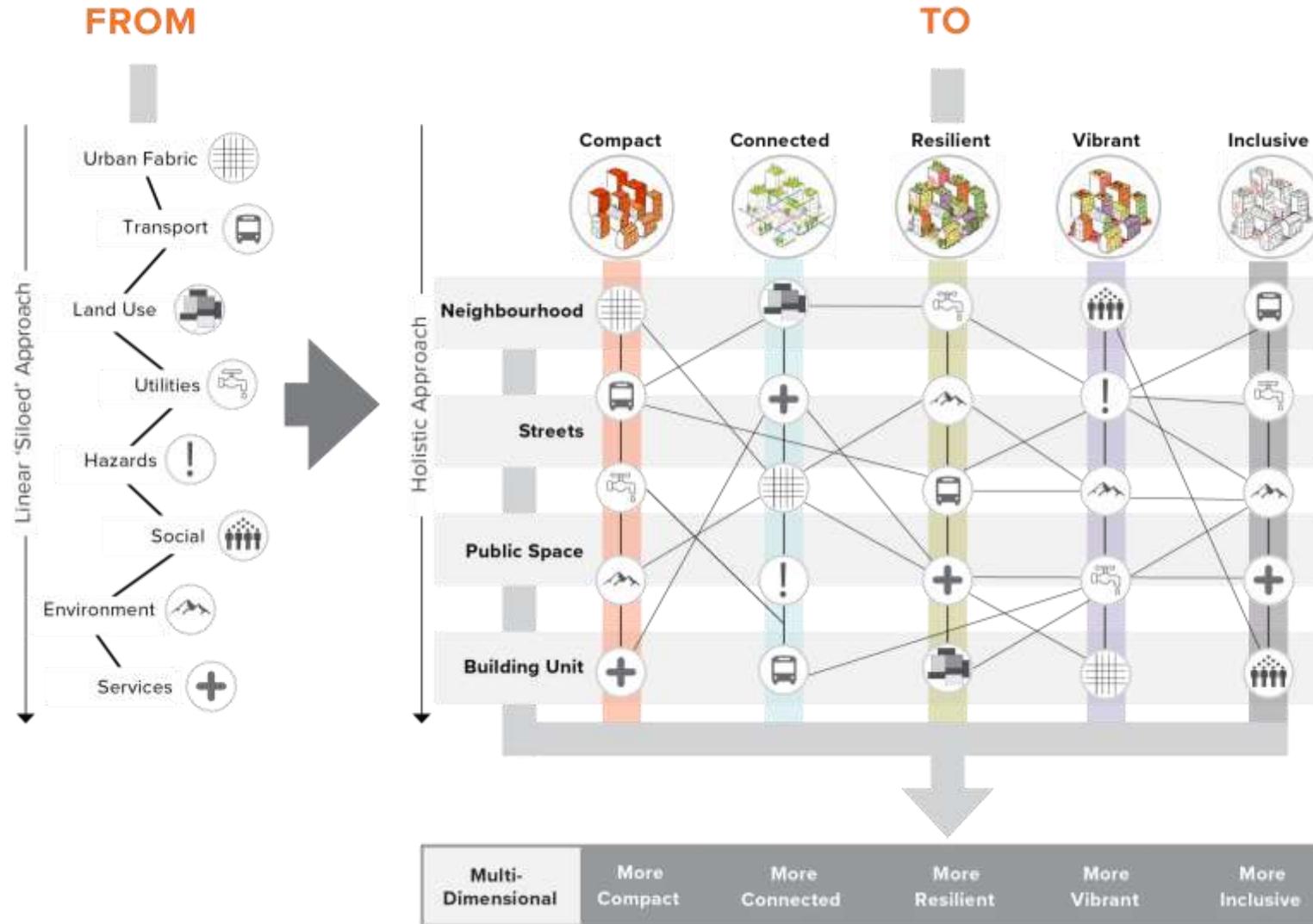
Intensity

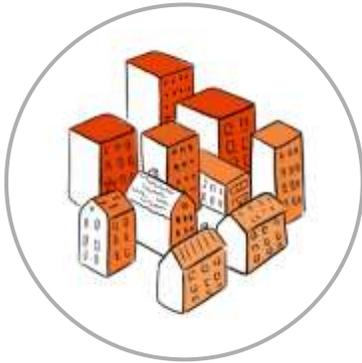


Connectivity



“My Neighbourhood” Integrated Framework





COMPACT

Neighbourhood



Street



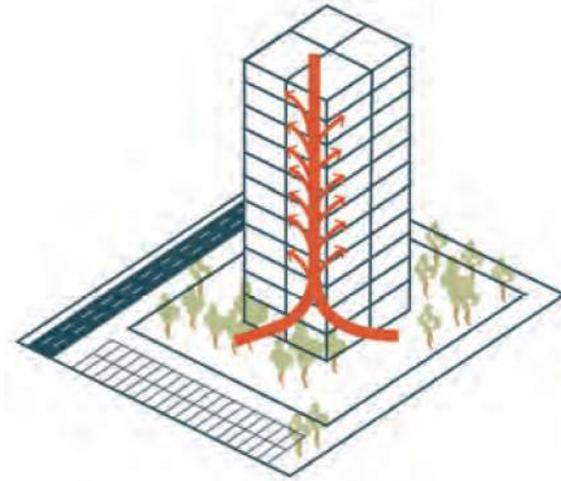
Open Public Space



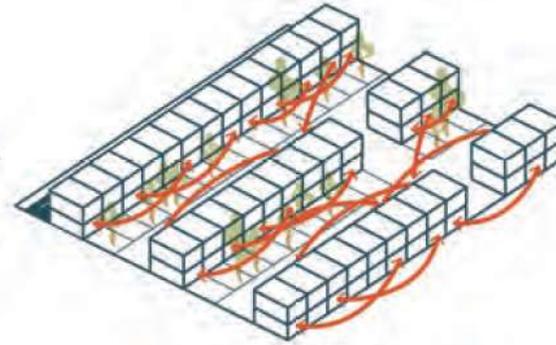
Building Unit



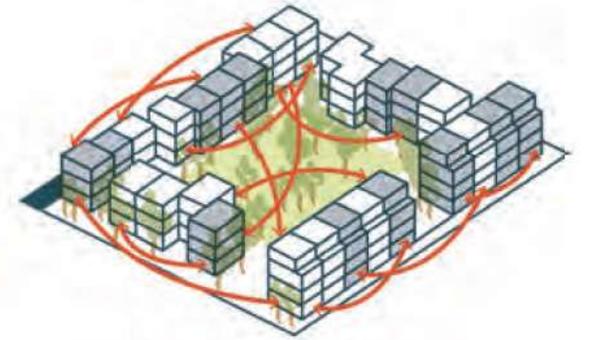
Public Space Vs Urban Form



High rise-
low coverage



Low rise-
high coverage



Medium rise-
medium coverage

— Circulation of residents
— Mixed -use development

The same amount of units



Proximity

Accessibility

Vibrancy

Small public spaces / Place making



Connected

Neighbourhood



Street



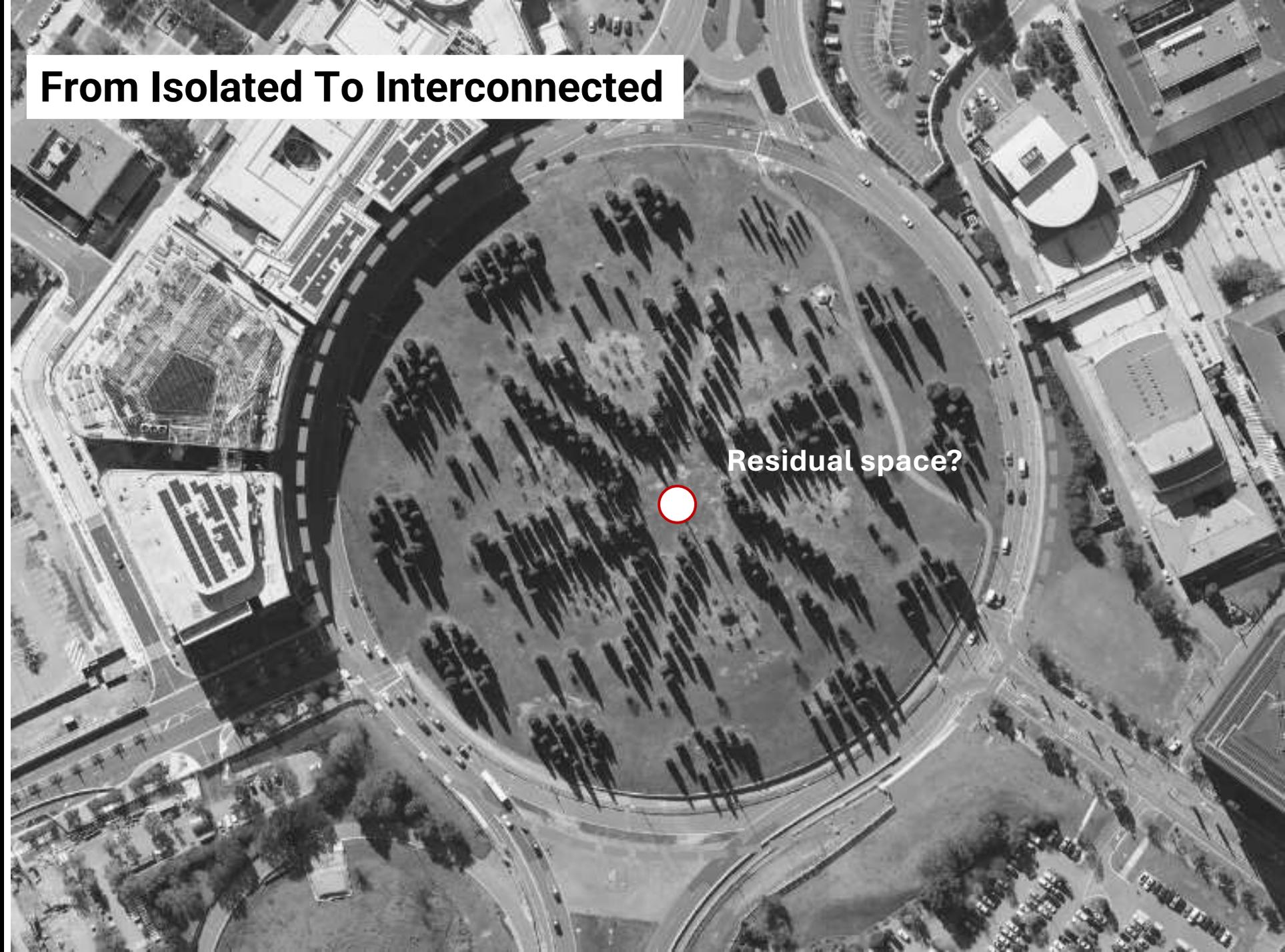
Open Public Space



Building Unit



From Isolated To Interconnected



Residual space?



Connected

Neighbourhood



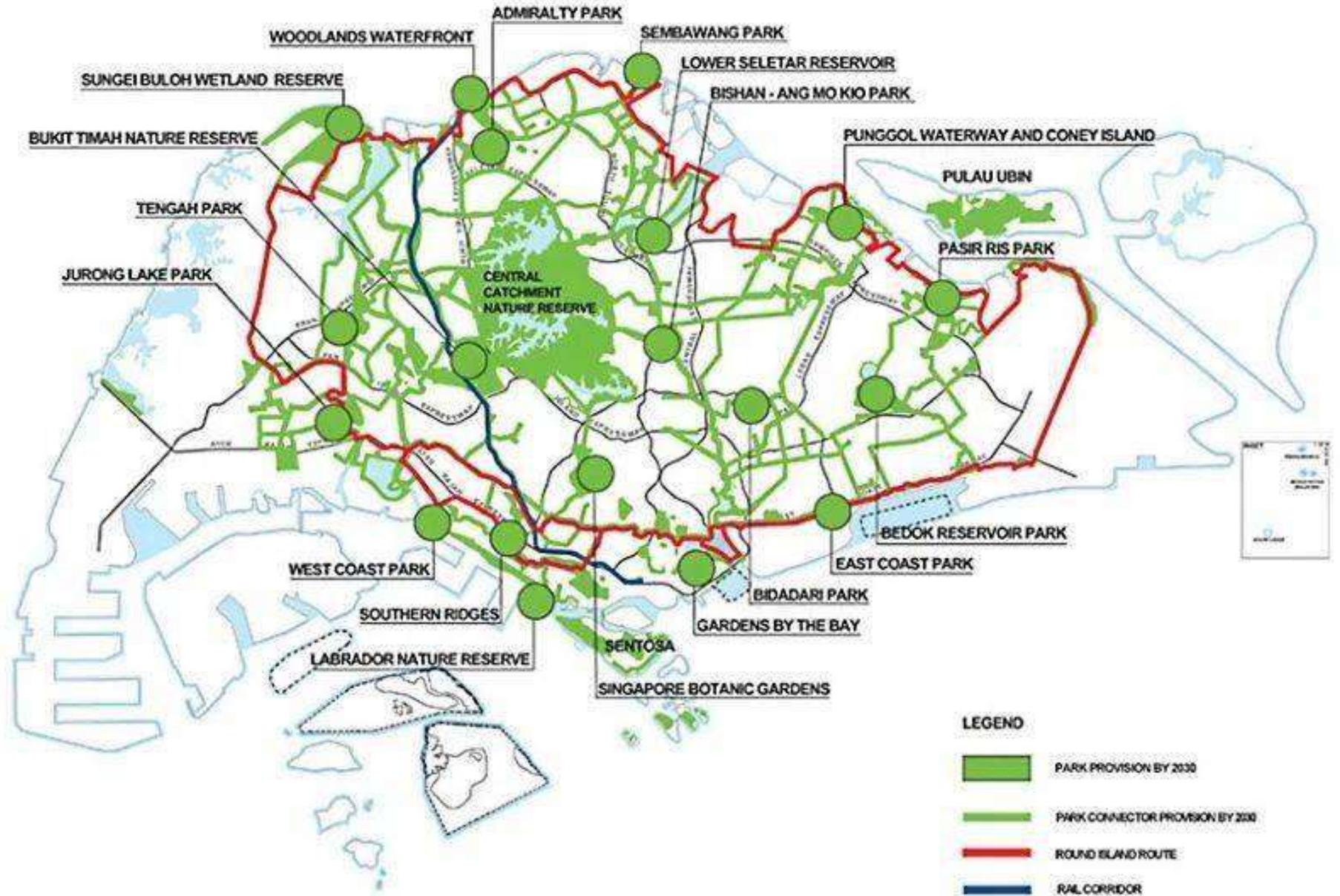
Street



Open Public Space



Building Unit



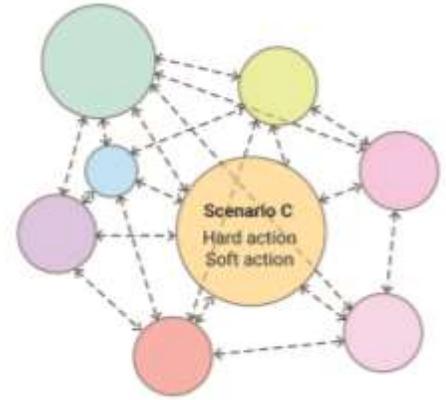
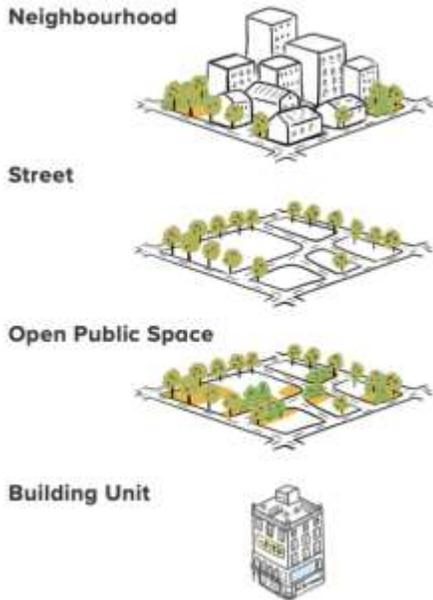
From isolated to interconnected



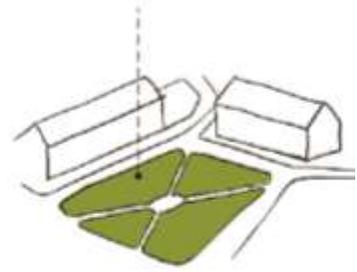
Accessible public spaces



Vibrant



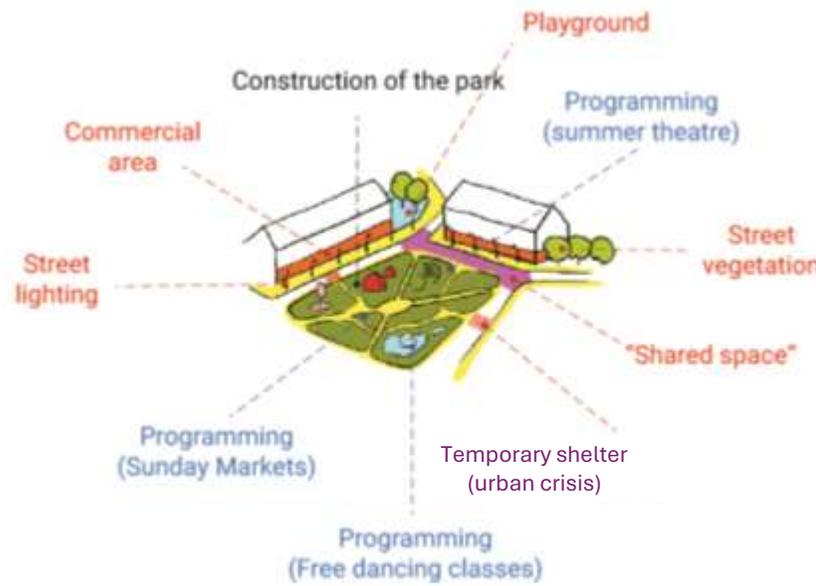
Construction of the park

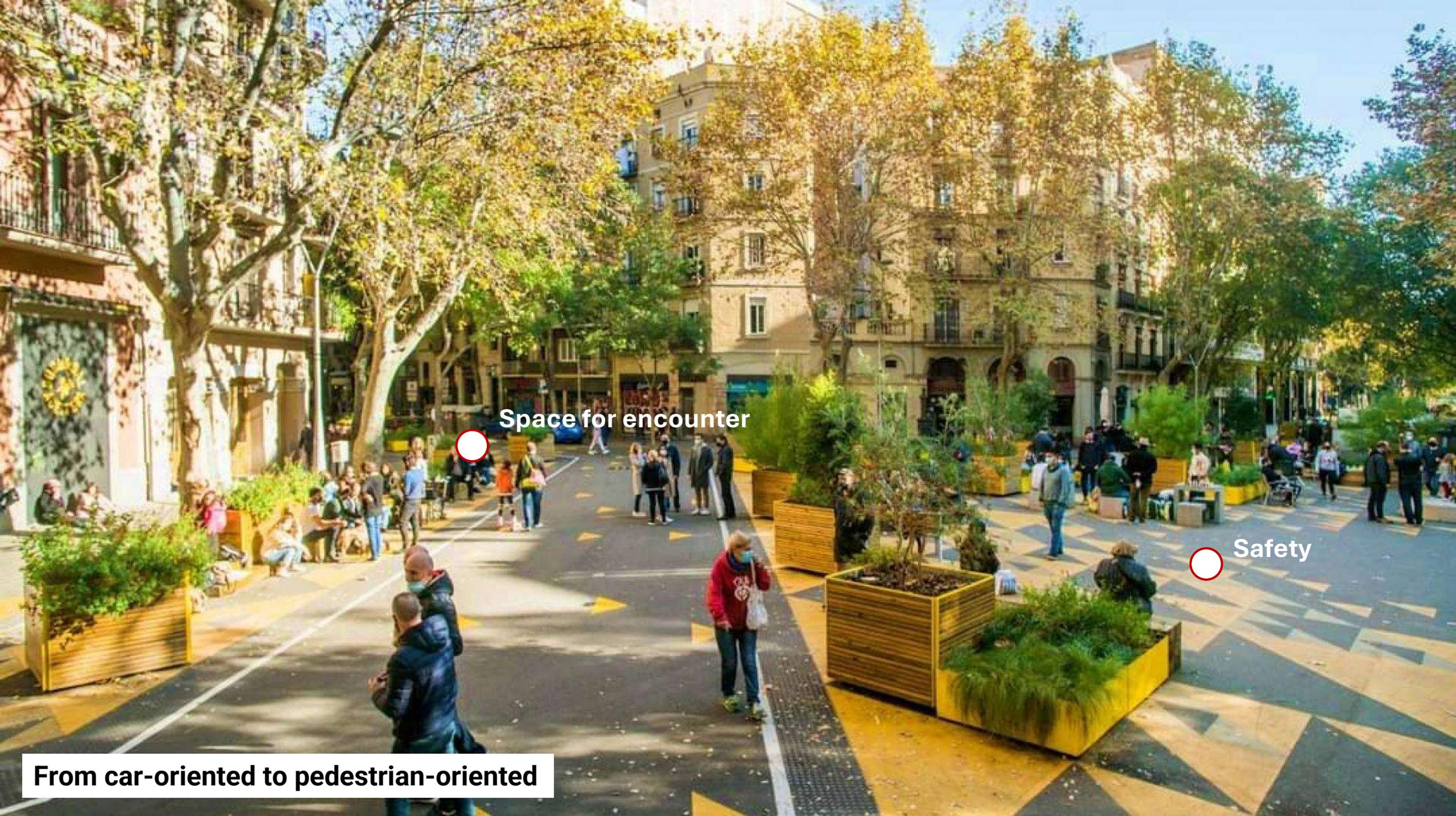


Construction of the park



Construction of the park





Space for encounter

Safety

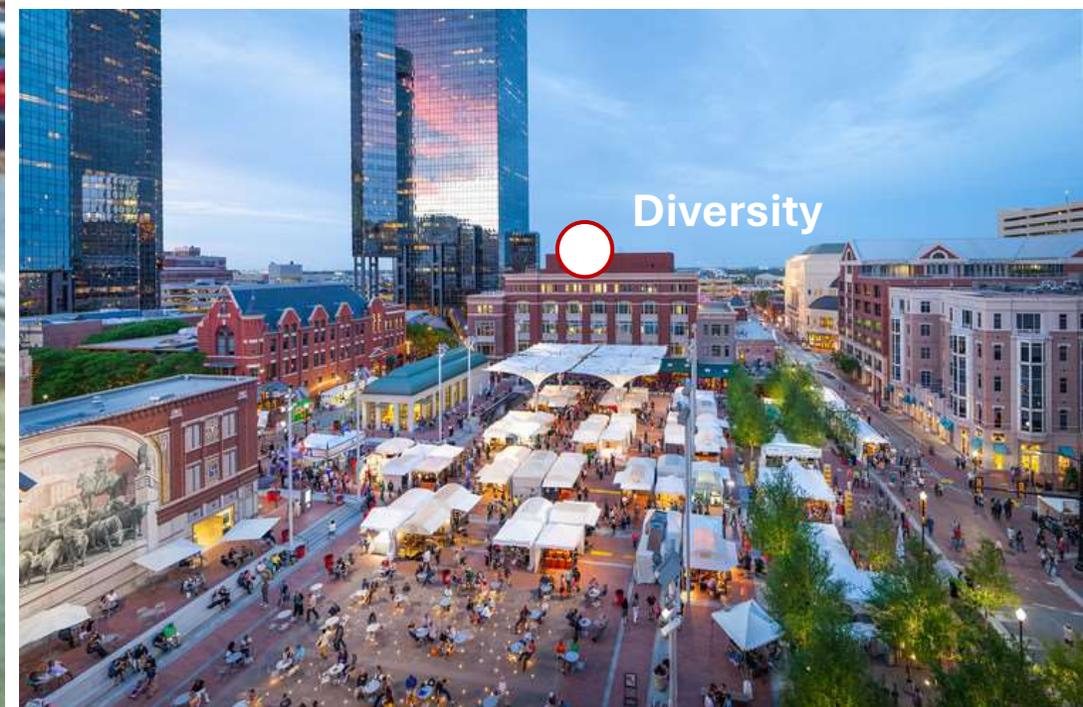
From car-oriented to pedestrian-oriented



Active/complete streets



Local economy



Diversity



All-season designs



Inclusive

Neighbourhood



Street



Open Public Space



Building Unit



From Design-centered To People-centered



Diversity

Learning

Creativity



Engaging with nature



Promoting healthy lifestyle



Space for experimentation / temporary use



Participation is key!





Inclusive

Neighbourhood



Street



Open Public Space



Building Unit



Design With Nature



Biodiversity

Green infrastructure

Floodable landscape



Green buildings



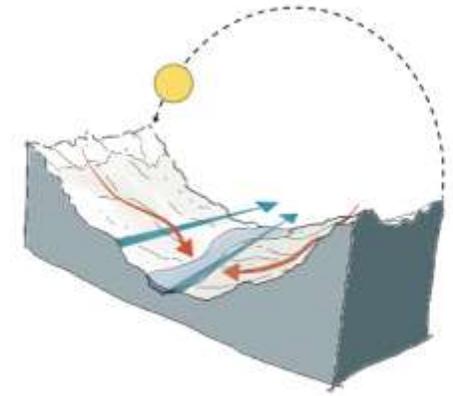
Biodiversity



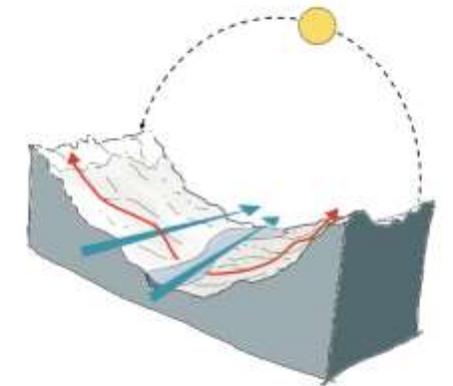
Bioswales



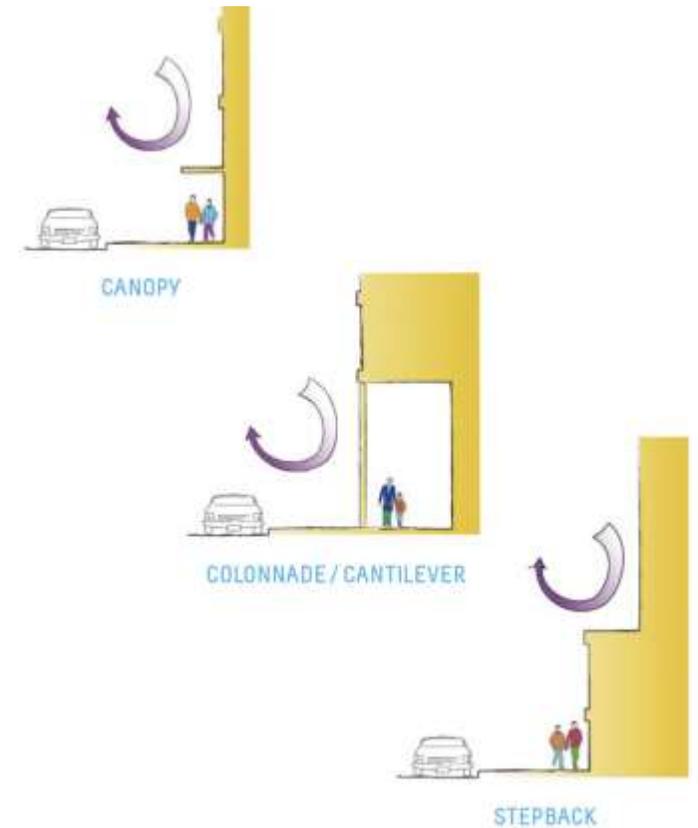
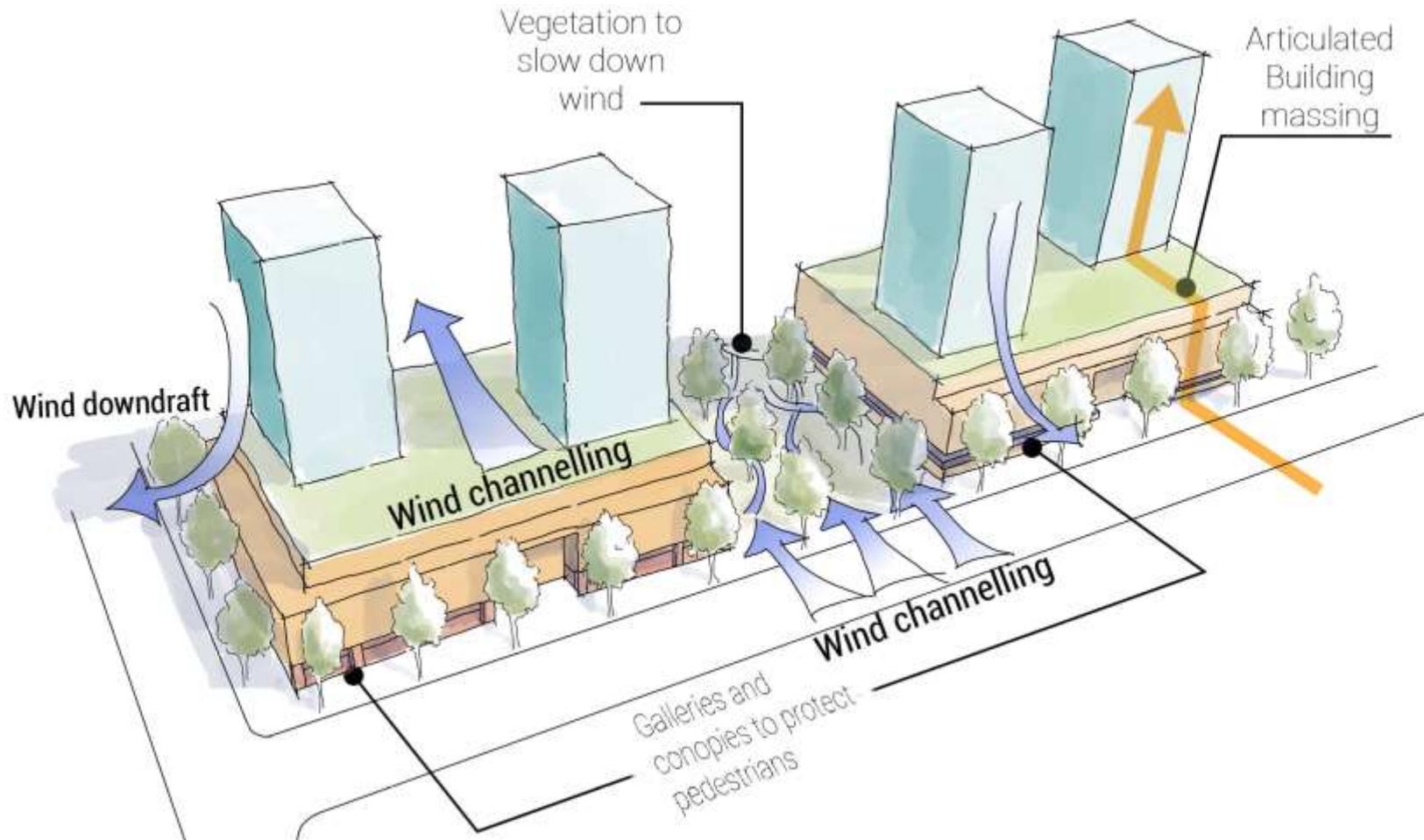
Wind corridors



Katabatic Wind – A downhill wind, usually at night. The mountain summits cool down quicker than the valleys causing the cold (and denser) air to rush down towards the valley floors. Adequate massing and orientation of buildings is required to reduce wind velocity, especially in winter.



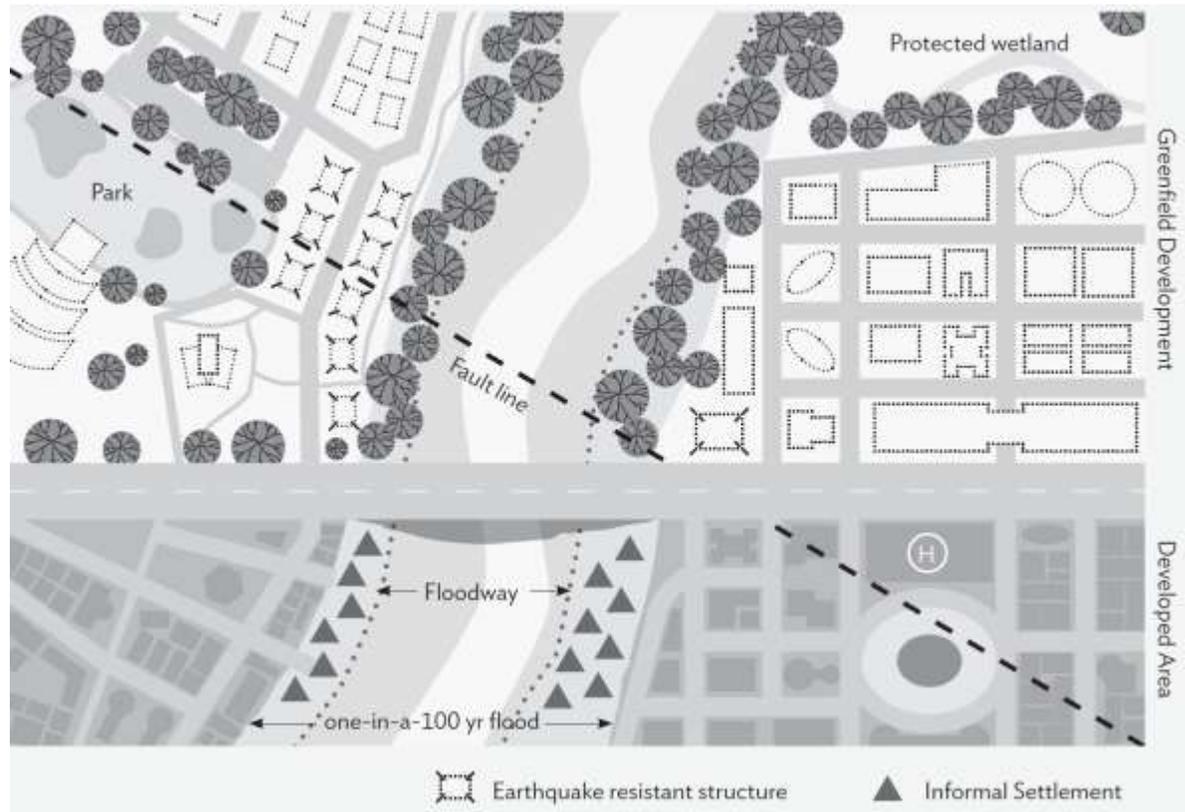
Anabatic Wind – uphill wind, usually in the afternoon. The sun warms the mountain slopes causing warm air above them to rise. This in turn draws up air from the valleys below to replace it. It is recommended to create wind corridors to allow for this air movement to occur. This would limit the heat-island effect in the city



Building vs Public space

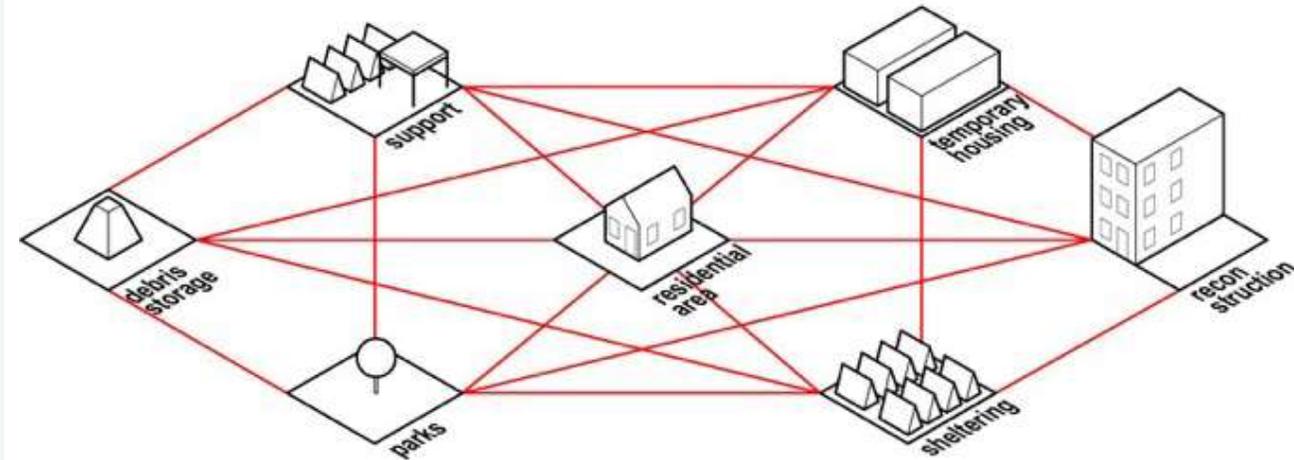
Planning and architecture measures for wind comfort
 Source: Based on Edmonton city 2016

Public Spaces For Hazard Mitigation and Emergency response

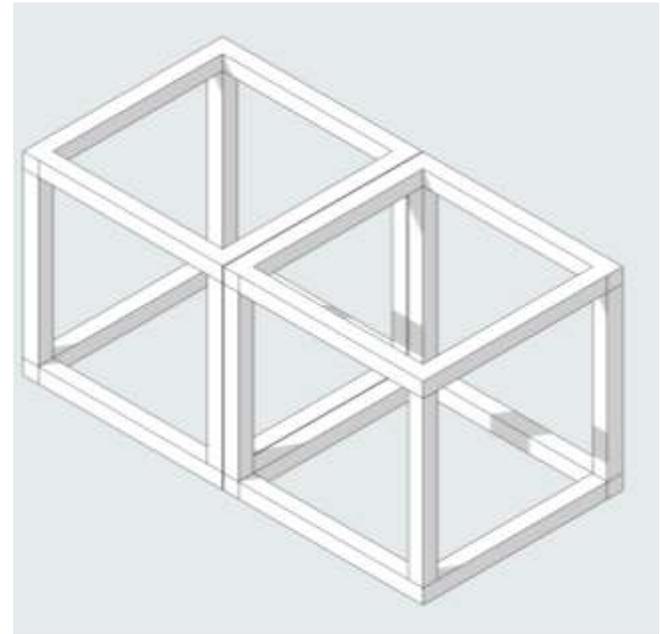


Example of hazard mitigation and adaptation measures

Source: World Bank 2016

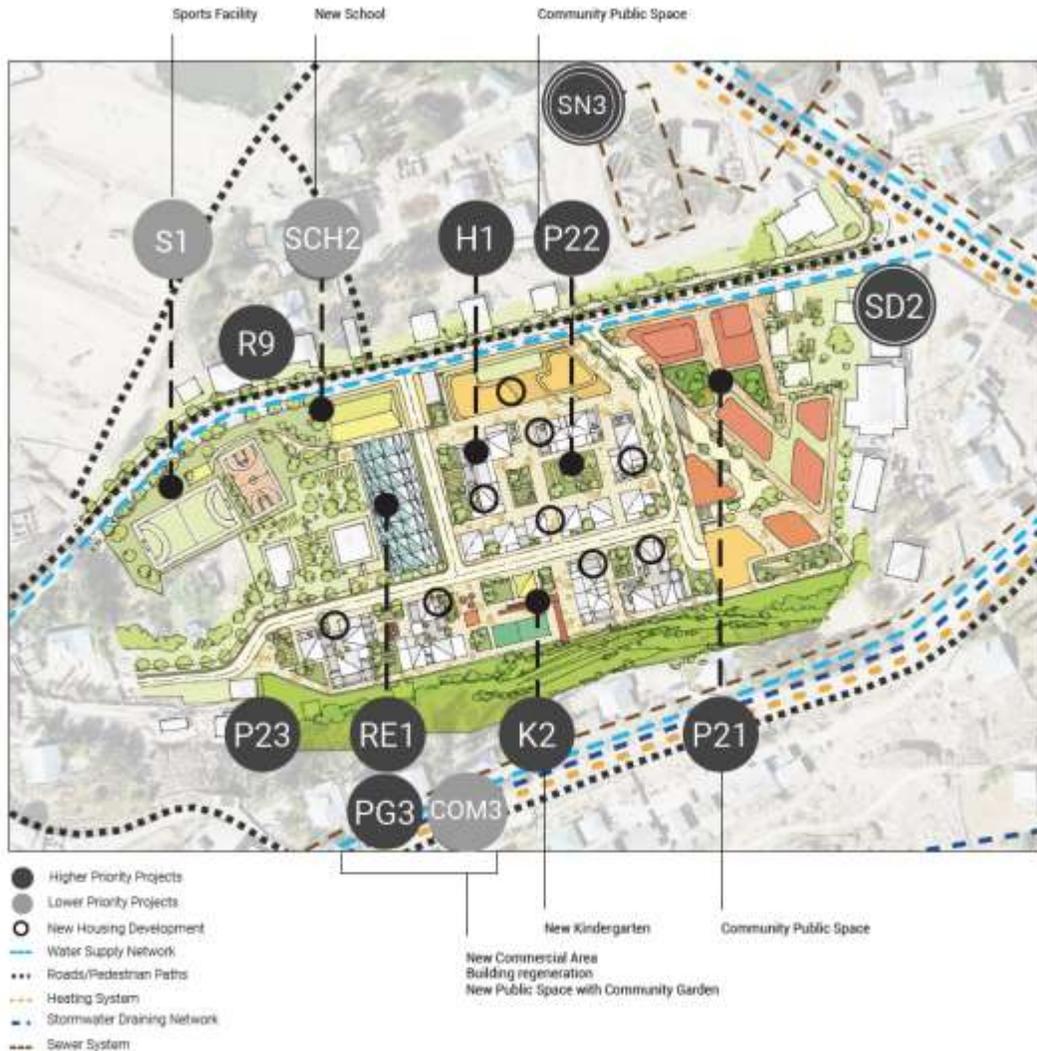


Multiple uses of open spaces in disaster-risk areas



Adaptable safe haven

Prioritisation for Area-based Investment/development



PROJECT NAME	SCORE %	ESTIMATED COST	BENEFICIARIES % of future population	TIME FRAME	DESCRIPTION
P22 Community Public Space	63,5	\$ 186 000	20%	Medium-term	Community public space with vegetation, places to rest, sit and play
P21 Community Public Space	63,5	\$ 123 000	19%	Medium-term	Community public space with vegetation, places to rest, sit and play
P23 Slope Public Space	61,8	\$ 4 840 000	21%	Medium-term	Public space on the slope with vegetation and structures to rest (view points, terraces, etc.)
K2 New Kindergarten	60,1	\$ 250 000	19%	Short-term	Construction of the kindergarten within the new development area with an adjacent space for outdoor activities
PG3 Green Public Space with Community Garden	59,8	\$ 616 000	20%	Short-term	Green public space, park with community gardening (garden beds for growing vegetables, etc.)
SD2 Extending the existing Stormwater/Drainage Network	56,1	\$ 5 272 000	78%	Short-Medium Term	City-wide project: cost presented is for the entire project
SN3 Renovation of the existing Sewer Network	55,2	\$ 3 860 000	83%	Short-Medium Term	City-wide project: cost presented is for the entire project
H1 New Housing Development	54,3	\$ 32 550 000		Short-Medium Term	Multiple typologies of housing units organised around green spaces and integrated with amenities and retail spaces on the main road
RE1 Building Regeneration	52,8	\$ 2 075 000		Short-Medium Term	Multi-purpose facility, which can be used for indoor sports, a market, for events, etc. The building's structure will also be modified to support a greenhouse on the roof for intensive urban agriculture.
R9 Green Axis	53,0	\$ 42 000	22%	Short-term	Redesign of the street (widening the pedestrian sidewalks, vegetation, infrastructure)
COM3 New Commercial Area	48,1	\$ 1 400 000	20%	Short-Medium Term	Construction of a new commercial area, a part of mixed use development
SCH2 New School Project	47,6	\$ 1 630 000	19%	Short-term	Construction of a new school with a adjacent space for sports and outdoor activities
S1 New Sports Facility	46,6	\$ 306 500	20%	Short-term	Construction of a sports facility with a range of indoor classes and outdoor spaces for activities

Thank You

